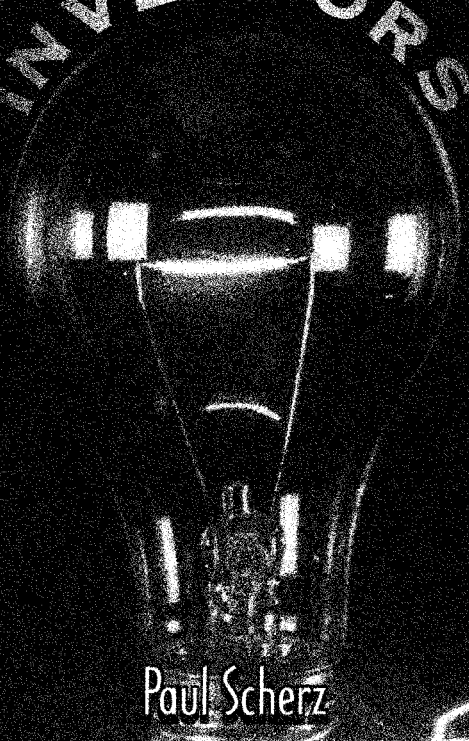


PRACTICAL
ELECTRONICS
for

INVENTORS

Paul Scherz

A large, glowing incandescent lightbulb is the central focus of the cover. The bulb is illuminated from within, casting a warm glow. The filament is visible. The base of the bulb is partially obscured by a stylized, jagged white lightning bolt that extends towards the bottom right corner of the cover. The background is dark and textured.

BASIC ELECTRONICS THEORY & APPLICATIONS ... ILLUSTRATED.

In a great many introductory electronics books, the emphasis is on technical formulas and theory. While practical applications and advice often get lost in a high-tech haze. Not very inspiring... especially if you want to succeed in turning your ideas into workable electrical gadgets.

Practical Electronics for Inventors, on the other hand, gives you information you need, in a format you can work with. Packed with hand-drawn illustrations, this crystal-clear, learn-as-you-go guide shows you what a particular device does, what it looks like, how it compares with similar devices, and how it is used in applications. Written by Paul Scherz, an inventor and electrical hobbyist, this important reference provides beginning hobbyists and inventors with an intuitive grasp of the theoretical and practical aspects of electronics—just the kind of insight you need to get your projects up and running.

Starting with a light review of electronics history, physics, and math, the book provides an easy-to-understand overview of all major electronic elements:

- Basic passive components • Resistors, capacitors, inductors, transformers
- Discrete passive circuits • Current limiting networks, voltage dividers, filter circuits, attenuators
- Discrete active devices • Diodes, transistors, thyristors
- Microcontrollers • Rectifiers, amplifiers, modulators, mixers, voltage regulators

Along with coverage of integrated circuits (ICs), digital electronics, and various input/output devices, *Practical Electronics for Inventors* takes you through reading schematics, building and testing prototypes, purchasing electronic components, and safe work practices. You'll find all this—and more—in the guide that's destined to spur you on to new levels of creativity.

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